



1970

VOLUME FOUR

INDEX

Published by
William C. Fitt
Post Office Box 286
Cadillac, Michigan 49601

COPYRIGHT © LIVE STEAM 1970.
All rights reserved. This magazine or
parts thereof may not be reproduced in
any form without permission in writing
from the publisher.

All material is cross-indexed accord-
ing to Title, Subject, Author and
Photo in the following manner:

SUBJECT

Title

AUTHOR

Photo

Live Steam

Ahrens, Robert Mar. 3
ALKIRE, I. DOUGLAS
 B&O Pacific Aug. 3
America's First Live Steam Competition Jul. 3
An Eye For Beauty May 2
Another New Club! Nov. 14
April Meet in Florida Feb. 12
Arch Bar and Utility Trucks Nov. 9
ATLANTIC LIVE STEAMERS Nov. 14
August Issue Delayed Sep. 16
AULL, JAMES
An Eye For Beauty Photo May 2
 May 2
 Babb, W. R. Jun 5
 Badten, Chris Dec. 7
 Badten, Fred Dec. 7
BALL VALVES
Better Way to Seat Jul 11
Bartholemew, P. R. Aug. 12
BEADING
Tender Beading Techniques Mar. 10
Big Steam in Omaha Jan. 2
Bits and Pieces at WVLS Jun 10
BOLERJACK, R. KENT Feb. 11
Dual Gauge in Colorado
BOND, FOSTER Aug. 15
Transfer Caboose
BOYD, DAVID M., JR.
Live Steamer Receives Engineering Award Sep 8
Sundown & Week End Railroad Oct. 8
1 1/2 "Big Boy" Oct. 8
BRAKES
Locomotive and Tender Jun 8
Power and Hand Jun 8
Rigging Diagram Aug. 13
Simple Train Braking System Sep 5
Typical Details Oct. 14
Typical Installations Nov. 13
BRASSE, H. E. Sep 20
Firing Technique Aug. 12
Brien, Paul
BROOKSTONE COMPANY Feb. 13
Tools for Live Steamers
BROTHERHOOD OF LIVE STEAMERS
Greatest Steam Show on Earth Aug. 2
National Meet Draws Near Apr. 12
National Meet Scheduled 1972 Oct. 16
building the RARITAN
(See: MOREWOOD, WILLIAM H.)
CAB
building the RARITAN Mar. 6
CARD, HARRY
Steam Tug Dec. 3
Carlson, Andrew Jun 5
Chapman, Al Feb. 7
CINCINNATI CINDER SNIFFERS
New Year Run May 12
Claytor, W. Graham, Jr. Jul 3
COLORADO LIVE STEAMERS, INC.
Dual Gauge in Colorado Feb. 11
COMBUSTION
So You Want To Build A Live Steam Locomotive Dec. 12
COMPETITION
(See: SOUTHERN-LIVE STEAM COMPETITION)
COMPOUND STEAM ENGINE
(See: COVENTRY, H. J.)
Conley, Russell Mar. 2

Connecticut River Steamboating Sep. 3
CONVIS, MAX
3/4" 4-4-2 Aug. 8
Cooper, Bill Aug. 8
Coughlin, John Apr. 10, 11, Aug. 15
COVENTRY, H. J.
1/3 HP Compound Steam Engine Dec. 10
Covey, James Dec. 16
Craft, Paul Aug. 12
CRANE, HUGH
1 1/2" 0-4-0T Dec. 7
CRAWFORD, ROSS
1 1/2" PRR 0-6-0 Aug. 8
Cutshall, Jerry Feb. 11
DANEY, WILLIAM
5" Scale 2-8-0 Nov. 4
D. C. & H. R. R. Jul 4
Decho, Russ Oct. 8
DELTA QUEEN
Let's Save The Queen Sep. 16
Write the President Oct. 17
DeVERTER, PAUL L., II
Houston Live Steamers Visit May 13
Dallas Jul 11
Difference Valves (The) Jun 11
Drawings Missing
DRILLS
for the apprentice (1) Jan 4
for the apprentice (2) Feb. 4
for the apprentice (3) Oct. 5
for the apprentice (4) Nov. 6
Drills and Drilling Aug. 18
Dual Gauge in Colorado Feb. 11
ERGISH, IVAN Feb. 7
Photo
Summer of activity for Feb. 7
Inland Empire Live Steamers
ESTES, TALLEY Aug. 3
Case Traction Engine
EXAMINATIONS
Proficiency Exams for Operators May 4
of Small Steam Locomotives
Fairlie, Matt Dec. 7
FARMEN, ROBERT Aug. 3
USRA Pacific
FEED WATER HEATER Apr. 8
So You Want To Build A Live Steam Locomotive Feb. 11
Fick, Milt Apr. 12
Film Library Expands
FINGER LAKES LIVE STEAMERS Aug. 16
Progressing
FINGER-PLATE WORK HOLDER May 8
for the apprentice Sep 20
Firing Technique Aug. 5
Fitt, Doris B. Nov. 3
5" Scale Narrow Gauge Apr. 2
Flat River & Southern Oct. 6
For Sale - A Live Steam Locomotive
for the apprentice
(See: McKENTY, JACK D., M.D.)
FOWLER, LESLIE L., JR. Aug. 16
Obituary
FUEL Dec. 12
So You Want To Build A Live Steam Locomotive
Garden, Pat Aug. 8
Goesch, William Mar. 2
GOLD COAST RAILROAD Oct. 16
7th Annual Exposition of Steam
GOLDEN GATE LIVE STEAMERS Apr. 12
Looks Ahead Jun 10
New Club Officers Oct. 16
Spring Meet Well Attended Aug. 4
Guiser, Walter
GULF COAST CHAPTER NRHS May 13
Houston Live Steamers Visit
Dallas

Hansen, Carl Feb. 8
Hanson, Fred Dec. 14
HARRIS, CLIFF
Walking Beam Engine Dec. 3
Hawk, Eugene Feb. 7
HEADLIGHT
building the RARITAN Mar. 6
HEAT TRANSFER
Thoughts on Mar. 10
Hellmuth, Harvey Apr. 7
Hi-Ho! Come To The Fair Aug. 16
HILDRETH, GEORGE
All New Track for WLS Jan. 13
HILL, GEORGE
Better Way to Seat Ball Valves Jul 11
Hill, John Feb. 11
HILL, THOMAS A.
Flat River & Southern Apr. 2
Spring Meet At North Palm Beach Aug. 15
Hill, Thomas A. Apr. 10
HINEY, LAURENCE
1" 2-6-0 Aug. 6
Hollywood Movie Cars Nov. 15
Horvath, Emery Aug. 15
HOUGH, KEN
"Oops-3" Sep. 16
Houston Live Steamers Visit May 13
Dallas Jul 11
Howe, Richard May 13
Hueter, Oscar Aug. 7
HUMPHREY, RICHARD M. Aug. 4
Tender Beading Techniques Mar. 10
Hurst, Wade Aug. 4
HYNES, BILL Sep. 16
"Belle"
INLAND EMPIRE LIVE STEAMERS Feb. 7
Summer of Activity For Feb. 7
Inspect Unusual Steam Mar. 7
James, Henry Jun 10
Johnson, Richard E. Aug. 5
JONES, GEORGE Dec. 3
Stationary Engines
JOSHUA TREE & SOUTHERN RR CLUB Oct. 16
Calls for Members Nov. 14
Just One Left?
Keith, James Jun 5
Kelly, Ira Aug. 12
Kerr, Jack Mar. 1
KOSTER, WILFRED C. Apr. 10
Sunshine Region
KUBICEK, G. B. May 4
Proficiency Exams for Operators
of Small Steam Locomotives
Labor Day Meet in Winnipeg Feb. 8
LA PORTE COUNTY HISTORICAL SOCIETY Dec. 16
Short Lived Steam Feb. 7
Let's Save The Queen Sep 16
Letson, Robin Jun 11
LITCHFIELD, BILL Dec. 3
Traction Engine Oct. 8
Little, Oakley Aug. 12
Live Steam in Whitehall
LIVE STEAM MAGAZINE
AWARD
First Annual Aug. 3
Live Steam Receives Engineering Award Sep 8
LONG ISLAND LIVE STEAMERS Nov. 14
Membership Drive on Long Island
LOS ANGELES LIVE STEAMERS Aug. 3
Greatest Steam Show on Earth Apr. 12
National BLS Meet Draws Near May 4
Proficiency Exams for Operators Aug. 12, 15
of Small Steam Locomotives
Lowe, Lynn

Machado
Maisey
Mann,
Mann,
MARIO
Another
Massey
MAYNA
An Eye
Arch
Cinder
For S
McCorm
McKEN
for the
Drill
Drill
Drill
Fing
Meas
Scro
Soft
Thre
Weld
Wire
MEAD,
1 1/2" 4
Mead, T
Meagher
MEASUR
for the
Members
Middle A
MID-SO
Live S
Miller, I
Miller, H
MILWAU
NEEL
New C
MITCHE
Conne
Percy
Percy
Startle
Steam L
MOREWO
building
Access
Boiler
Cab
Headl
Revis
Tende
Tende
Whist
Wiring
Moseley,
MSU Rail
Neither R
NELSON,
PRR K
NELSON,
So You
Steam
12 (2)
13 (1)
13 (2)
13 (3)
13 (4)
14 (1)
14 (2)
14 (3)
14 (4)
14 (5)
15 (1)
New Eng
Model A
NEW JER
Forms M
Inspect U
Meet Dat
Officers
Spring M

Feb. 8	Machacek, James	Mar. 3	1970 In Florida	Apr. 7	Seelander, Bob	Apr. 10
Dec. 14	Maisey, Bart	Feb. 8	Norcross, John	Apr. 10	Semple, Billy	Dec. 3
Dec. 3	Mann, "Doc"	Oct. 8	NORTHERN ILLINOIS LIVE STEAMERS		Semple, Fred	Dec. 3
Feb. 7	Mann, Frank	Aug. 5	Host 1975 BLS Meet	Nov. 14	Sessum, Jack	Jun 5
Mar. 6	MARICOPA LIVE STEAMERS		Red Letter Day	Dec. 7	SESSUM, JACK	
	Another New Club!	Nov. 14			Hollywood Movie Cars	Nov. 15
	Massey, Fred	Nov. 14			7th Annual Exposition of Steam	Oct. 16
Mar. 10	MAYNARD, ROBERT W.				SHEET METAL GAUGES	
Apr. 7	An Eye For Beauty	May 2	Oh! What Fun It Is To Ride . . .	Jun 11	for the apprentice	Aug. 14
Aug. 16	Arch Bar and Utility Tracks	Nov. 9	OMAHA AREA LIVE STEAMERS		SHEPPARD, CHRIS	
	Cinder Sniffers' New Year Run	May 12	Big Steam in Omaha	Jan 2	Return of the Riverboat	Feb. 3
Jan. 13	For Sale - A Live Steam Loco	Oct. 6	Live Steam's Legal In		Short-Lived Steam	Dec. 16
	McCormac, Don	Dec. 7	Nebraska!	Aug. 16	SMALL, NEWT	
Jul 11	McKENTY, JACK D., M.D.		O'Neil, Al	Mar. 3	Porter 0-4-0T	Aug. 6
Feb. 11	for the apprentice		Operation Deepfreeze	Aug. 16	SMITH, FRANCIS H.	
	Drills and Drilling (1)	Jan. 4			Gold Spike Ceremony	Jun. 5
	Drills and Drilling (2)	Feb. 4			Smith, Larry	Apr. 7, 10
Apr. 2	Drills and Drilling (3)	Oct. 5			Smith, Richard	Feb. 7
	Drills and Drilling (4)	Nov. 6			Snyder, Miles	Oct. 8
Aug. 15	Finger Plate Work Holder	May 8	PARK, HALSTED, JR.	Jul 4	So You Want To Build A Live	
Apr. 10	Measuring Instruments	Dec. 8	DC&H RR	Jul 6	Steam Locomotive	
	Screw Threads	Mar. 4	Photo	Aug. 12	(See: NELSON, JOSEPH F.)	
Aug. 6	Soft Soldering	Jun 6	Parkman, Elliott		SOLDERING	
Nov. 15	Thread Cutting	Apr. 4	PATRICK, DONALD W.	Jan. 2	Soft Soldering	Jun. 6
Aug. 15	Welding	Sep. 7	Big Steam in Omaha		SOUSER, KENNETH	
Sep. 16	Wire and Sheet Metal Gauges	Aug. 14	PATTERN POOL		Obituary	Nov. 14
	MEAD, EDGAR T., JR.		Your Patterns in the Pattern	Mar. 7	SOUTHERN CALIFORNIA	
May 13	1 1/2" 4-4-0	Dec. 3	Pool?	Apr. 7	LIVE STEAMERS	
Aug. 7	Mead, Thorn	Dec. 3	Peck, Douglas	Nov. 8	New Club Officers	Jun. 10
Aug. 4	Meagher, Wayne	Dec. 7	Percy Stewart's Steamers (1)	Dec. 5	SOUTHERN-LIVE STEAM	
	MEASURING INSTRUMENTS		Percy Stewart's Steamers (2)		COMPETITION	
Mar. 10	for the apprentice	Dec. 8	PERE MARQUETTE'S		America's First Live Steam	
Aug. 4	Membership Drive on Long Island	Nov. 14	PACIFICS	Jan. 6	Competition	Jul. 3
Sep. 16	Middle Atlantic States Club	Jul 12	Class SP-3 (#711-722)	Sep. 5	Competition Rules	Aug. 10
	MID-SOUTH LIVE STEAMERS		PETERSON, CHESTER G.	Aug. 6	Diagram Ps-4	Aug. 10
	Live Steam in Whitehall	Aug. 12	Simple Train Braking System		Engine Truck Details	Nov. 12
	Miller, Howard	Oct. 8	PHILLIPS, BLAIR		Elevations and Sections	Sep. 9
	Miller, Ken	Aug. 12	"Lion"		Footnotes to Rules	Sep. 9
	MILWAUKEE LIGHT ENGI-NEERING SOCIETY		PHILLIPS, THOMAS, SR.	Feb. 12	Main Frame Drawing	Oct. 10
Feb. 7	New Club Officers	Jun 10	Steamer Hospitalized	Aug. 16	Specifications	Aug. 10
Mar. 7	MITCHELL, RICHARD M.		Obituary		Trailing Truck Details	Dec. 6
	Connecticut River Steamboating	Sep. 3	PIONEER VALLEY LIVE STEAMERS		SOUTHERN MINNESOTA LIVE STEAMERS ASSN.	
Jun 10	Percy Stewart's Steamers (1)	Nov. 8	National Meet Scheduled 1972	Oct. 16	Film Library Expands	Apr. 12
Aug. 5	Percy Stewart's Steamers (2)	Dec. 5	Operation Deepfreeze	Aug. 16	Neither Rain, nor Snow . . .	Mar. 2
Dec. 3	Startled Fawn	Oct. 9	PITTSBURGH LIVE STEAM CLUB		Spring Meet at North Palm Beach	Aug. 15
	Steam Meet at Steamtown USA	Dec. 3	Next Live Steam Club in	Sep. 16	Startled Fawn	Oct. 9
	MOREWOOD, WILLIAM H.		Pittsburgh		Steam Meet at Steamtown USA	Dec. 3
	building the RARITAN		PLUMBING		STEAMBOATS	
Oct. 16	Accessories	Apr. 6	So You Want To Build A Live	Feb. 9, Mar. 8	Connecticut River Steamboating	Sep. 3
Nov. 14	Boiler Jacket	Jun 9	Steam Locomotive	Apr. 8, May 11	Let's Save The Queen	Sep. 16
	Cab	Feb. 6		Apr. 11	Percy Stewart's Steamers (1)	Nov. 8
	Headlight	Mar. 6	Post, Dan	Aug. 5	Percy Stewart's Steamers (2)	Dec. 5
Jun 5	Revisions and Corrections	Jul 10	Priest, Richard		Return of the Riverboat	Feb. 2
Aug. 12	Tender	Aug. 9, Sep. 18	Proficiency Exams for Operators	May 4	Startled Fawn	Oct. 9
Mar. 1	Tender Truck Fabrication	Oct. 12, Nov. 7	of Small Steam Locomotives	Apr. 1, 2	Steam on San Francisco Bay	Sep. 16
Apr. 10	Whistle	Dec. 14	Pruitt, E. J.		STEAMTOWN USA	
	Wiring	Jan. 3	PRUITT, E. J.	Feb. 12	Steam Meet at Steamtown USA	Dec. 3
	Moseley, Francis	May 10	April Meet in Florida	Apr. 2	STEWART, ARTHUR	
May 4	MSU Railroad Club	Aug. 7	Flat River & Southern	Aug. 12	The Difference Valves	Jul 11
		Oct. 1	Spring Meet at North Palm Beach		STEWART, PERCY	
			PURINTON, CHARLES A.		Percy Stewart's Steamers (1)	Nov. 8
			"CARL"	Aug. 3	Percy Stewart's Steamers (2)	Dec. 5
Feb. 8	Neither Rain, nor Snow . . .	Mar. 2	First Annual Live Steam Award		Sumner, Steve	Aug. 7
	NELSON, JOSEPH F.	Aug. 8			Sundown & Week End Railroad	Oct. 8
	PRR K-4s 4-6-2 1" Scale					
Dec. 16	NELSON, JOSEPH F.					
Feb. 7	So You Want To Build A Live					
Sep 16	Steam Locomotive					
Jun 11	12 (2) Tenders	Jan. 11	Railroad Supply Corporation	Feb. 12	TENDERS	
	13 (1) Plumbing	Feb. 9	Enters Field		Beading Techniques	Mar. 10
Dec. 3	13 (2) Plumbing	Mar. 8	RARITAN	Oct. 3	building the RARITAN	Aug. 9, Sep. 18
Oct. 8	13 (3) Plumbing	Apr. 8	(See: MOREWOOD, WM. H.)		building the RARITAN	Oct. 12, Nov. 7
Aug. 12	13 (4) Plumbing	May 11	Really Big Hudson	Feb. 8	So You Want To Build A	
	14 (1) Brakes	Jun 8	RED RIVER VALLEY RAILROAD	Feb. 2	Live Steam Locomotive	Jan. 11
	14 (2) Brakes	Aug. 13	Labor Day Meet in Winnipeg		Thatcher, John	Aug. 5
	14 (3) Simple Train Braking		Return of the Riverboat		1/3 HP COMPOUND STEAM ENGINE	
Aug. 3	System	Sep. 5	REYNOLDS, JACK	Sep. 16	(See: COVENTRY, H. J.)	
Sep 8	14 (4) Brakes	Oct. 14	"Louise"		THOMSEN, ERICH	
	14 (5) Brakes	Nov. 13	RIVERSIDE LIVE STEAMERS	Jun 5	5" Scale Narrow Gauge	Nov. 3
Nov. 14	15 (1) Fuel and Combustion	Dec. 12	Gold Spike Ceremony	Feb. 7	"Four-spot"	Nov. 3
	New England Steam Launch and		Robson, Bob		THREAD CUTTING	
	Model Meet	Jun 10	RUDD, WALLACE C.	Mar. 10	for the apprentice	Apr. 4
Aug. 3	NEW JERSEY LIVE STEAMERS	Sep. 16	Tender Beading Techniques	Jun 2	THREE-INCH SCALE	
Apr. 12	Forms Marine Division	Mar. 7	Rutland Ten-Wheelers		Tie Plates and Spikes	Jun. 10
	Inspect Unusual Steam	Apr. 12		Oct. 8	Timm, Harold	May 13
May 4	Meet Date Changed	Oct. 16	Schaub, Nick	Apr. 7	TREADWAY, WILLIAM I.	
Aug. 12, 15	Officers Elected	Nov. 14	Schisler, Ray	Mar. 4	Thoughts on Heat Transfer	Mar. 10
	Spring Meet		SCREW THREADS		TURKNETT, LESTER F.	
			for the apprentice		A Really Big Hudson	Oct. 3

Utility Trucks	Nov. 9
Vale, Jim	Jun. 10
VALE, JIM	
Drills and Drilling	Aug. 18
VITKOVITS, STEVE	
"Gillette"	Sep. 16
Wade, Harry	Aug. 12
WAUSHAKUM LIVE STEAMERS	
All New Track For	Jan. 13
WELDING	
for the apprentice	Sep. 7
WEST VALLEY LIVE STEAMERS	
Bits and Pieces	Jun. 10
WHISTLE	
building the RARITAN	Jan. 3
WHITE, GEORGE	
Drawings Missing	Jun. 11
Winkle, Richard	Mar. 3
WINKLE, RICHARD	
Neither Rain, nor Snow . . .	Mar. 2
WINSLOW, PAUL	
Labor Day Meet in Winnipeg	Feb. 8
Winton Engineering Reactivated	Sep. 16
WIRE GAUGES	
for the apprentice	Aug. 14
Wood, Harold	Oct. 8
WOODSON, HARRY L.	
Obituary	Nov. 14
WREN (THE)	
Return of the Riverboat	Feb. 3
Yoder, Enos	Apr. 10
YODER, ENOS	
1970 in Florida	Apr. 7
Yoder, William	Apr. 7
YOSEMITE MOUNTAIN - SUGAR	
PINE RR	
YM - SP RR BLS	Jun. 10
Your Patterns in the Pattern	
Pool?	Mar. 7
Ziegler, Larry	Aug. 12

